L Number	Hits	Search Text	DB	Time stamp
-	4572	(("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85") or	USPAT;	2002/01/15 07:24
		("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
		***** *****	IBM TDB	2002/01/15 07:24
-	432	((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT;	2002/01/15 07:24
		or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB;	
		and (elevator tong spider)	EPO; JPO; DERWENT;	!
			IBM TDB	
	229	((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT:	2002/01/15 07:25
-	229	or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB;	2002/01/19 07:29
		and (elevator tong spider)) and (flap plate)	EPO; JPO;	
		and (elevator tong spider)) and (map place)	DERWENT;	1
Ì			IBM TDB	
	8	((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT;	2002/01/15 07:48
- I	0	or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB;	
		and (elevator tong spider)) and (flap plate)) and ((flap plate) near4	EPO; JPO;	
		(cavity throat chamber))	DERWENT;	
		(cavity unout onamout))	IBM TDB	
_	99	((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT;	2002/01/15 07:40
_	,,	or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB;	
		and (elevator tong spider)) and (flap plate)) and (wellhead (well adj	ЕРО, ЈРО,	1
		head) wellbore (well adj bore) borehole downhole)	DERWENT,	
			IBM TDB	
-	195	(((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT;	2002/01/15 07:50
		or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB;	
		and (elevator tong spider)) and (wellhead (well adj head) wellbore (well	ЕРО; ЈРО;	
		adj bore) borehole downhole)	DERWENT;	j
			IBM TDB	
-	99	((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT:	2002/01/15 07:41
		or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB:	1
		and (elevator tong spider)) and (wellhead (well adj head) wellbore (well	EPO; JPO;	1
		adj bore) borehole downhole)) and	DERWENT,	
		(((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or	IBM TDB	
		("175/52,85") or	ĺ	
		("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.) and		
		(elevator tong spider)) and (flap plate)) and (wellhead (well adj head)		
	0.6	wellbore (well adj bore) borehole downhole))	USPAT;	2002/01/15 07:41
-	96	((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85") or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB;	2002/01/15 07.41
		and (elevator tong spider)) and (wellhead (well adj head) wellbore (well	EPO; JPO;	1
		and (elevator tong spider)) and (wernlead (wern adj ficad) wernoore (wern adj bore) borehole downhole)) not	DERWENT;	
		(((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or	IBM TDB	
:		((((((100/378,379,380,381,383,77.1,77.3,77.31,77.32) or	IDIVI IDD	
		("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.) and		1
		(elevator tong spider)) and (flap plate)) and (wellhead (well adj head)		
		wellbore (well adj bore) borehole downhole))		
	11	1	USPAT:	2002/01/15 07:50
-	11	or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB;	
		and (elevator tong spider)) and (flap plate)) and ((flap plate) near4	ЕРО; ЛРО;	
		(cavity throat chamber bowl))	DERWENT;	
		Courty amont chamber courty	IBM TDB	

			l	
-	3	(((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85") or	USPAT; US-PGPUB;	2002/01/15 07:49
		("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.) and (elevator tong spider)) and (flap plate) and (flap plate) near4 (cavity	EPO; JPO; DERWENT:	
1		throat chamber bowl))) not	IBM TDB	1
		(((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or		i
		("175/52,85") or		
		("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.) and		
1		(elevator tong spider)) and (flap plate)) and ((flap plate) near4 (cavity		
		throat chamber)))		
-	11	(((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT;	2002/01/15 07:50
		or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB;	
		and (elevator tong spider)) and ((flap plate) near4 (cavity throat chamber	ЕРО; ЛРО;	
		bowl))	DERWENT;	
İ			IBM TDB	
-	49	((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT,	2002/01/13 07 36
		or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB;	
	1	and ((flap plate) near4 (cavity throat chamber bowl))	ЕРО; ЛРО;	
	1		DERWENT;	
			IBM TDB	2002/01/15 05 51
-	11	(((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT;	2002/01/15 07:51
		or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB;	1
		and ((flap plate) near4 (cavity throat chamber bowl))) and (wellhead	EPO; JPO; DERWENT:	
		(well adj head) wellbore (well adj bore) borehole downhole)	IBM TDB	
	6	((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT;	: 2002/01/15 07:51
-	0	or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB;	2002/01/13 07:31
		and ((flap plate) near4 (cavity throat chamber bowl))) and (wellhead	ЕРО; ЛРО;	
		(well adj head) wellbore (well adj bore) borehole downhole)) not	DERWENT;	
		((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	IBM TDB	
		or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)		
		and (elevator tong spider)) and ((flap plate) near4 (cavity throat chamber		
		bowl)))		
_	38	(((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT;	2002/01/15 07:51
		or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB;	
		and ((flap plate) near4 (cavity throat chamber bowl))) not	EPO. JPO.	
		(((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	DERWENT;	
		or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	IBM TDB	
		and ((flap plate) near4 (cavity throat chamber bowl))) and (wellhead		
į		(well adj head) wellbore (well adj bore) borehole downhole))	1105 - 2	2002/01/15 00 0:
-	18		USPAT:	2002/01/15 08:04
		"4354706").PN.	US-PGPUB;	
			EPO, JPO, DERWENT.	1
			IBM TDB	
		4201504 TID DNI	USPAT;	2002/01/15 08:05
-	8	4381584.URPN.	US-PGPUB;	2002/01/15 00:05
			EPO; JPO;	
			DERWENT;	1
			IBM TDB	1
	24	("1762037" "2298507" "3149391" "3154146" "3188708"	USPAT;	2002/01/15 08:07
-	24	"3197835" "3287776" "3330354" "3976132").PN.	US-PGPUB;	
		317/033 320///0 3330334 37/0132).114.	EPO; JPO;	1
			DERWENT;	
	I		IBM TDB	
_	7	4354706 LIRPN	USPAT:	2002/01/15 08 00
-	7	4354706.URPN.	USPAT; US-PGPUB;	= 2002/01/15 09 00 1
-	7	4354706.URPN.		2002/01/15 08 00
-	7	4354706.URPN.	US-PGPUB,	2002/01/15 08 00

			<i>,</i>	
-	15	(("2612671") or ("5848647") or ("5297833") or ("3149391") or	USPAT	2002/01/15 09:25
		("5042601") or ("6330918") or ("4867236") or ("4591006") or		
		("4511168") or ("4381584") or ("4354706") or ("4550942") or		
		("4361940") or ("4253219") or ("4715456")).PN.	LICDAT	2002/01/15 09:27
-	0	(((("2612671") or ("5848647") or ("5297833") or ("3149391") or	USPAT;	2002/01/15 09:27
		("5042601") or ("6330918") or ("4867236") or ("4591006") or	US-PGPUB;	
		("4511168") or ("4381584") or ("4354706") or ("4550942") or	ЕРО; ЛРО;	
		("4361940") or ("4253219") or ("4715456")).PN.) and cap) and (cap	DERWENT;	
		near5 (skirt rim))	IBM TDB USPAT;	l = 2002/01/15 09:27
-	6	((("2612671") or ("5848647") or ("5297833") or ("3149391") or	US-PGPUB;	2002/01/15 05.27
		("5042601") or ("6330918") or ("4867236") or ("4591006") or	EPO; JPO;	!
		("4511168") or ("4381584") or ("4354706") or ("4550942") or ("4361940") or ("4253219") or ("4715456")).PN.) and cap	DERWENT;	
		(4301940) 01 (4233219) 01 (4713430)).114.) and cap	IBM TDB	
	0	(((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or	USPAT,	2002/01/15 09:27
-	"	(((((100578,575,380,381,385,77.1,77.4,77.51,77.52) 61 ("175/52,85") or	US-PGPUB;	2002/01/15 07/2/
		("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.) and	ЕРО; ЛРО;	
		(elevator tong spider)) and (flap plate)) and cap) and (cap near5 (skirt	DERWENT,	
		rim))	IBM TDB	
_	1	(((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or	USPAT;	2002/01/15 09:27
•	1	(((((100578,577,586,581,585,771,771,77151,77152) 61	US-PGPUB;	
		("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.) and	ЕРО; ЛРО;	
	i	(elevator tong spider)) and (flap plate)) and cap) and (cap same (skirt	DERWENT:	•
		rim))	IBM TDB	I
_	34	((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT;	2002/01/15 09.36
]	or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB,	
		and (elevator tong spider)) and (flap plate)) and cap	EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	2	(((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT;	2002/01/15 09:33
		or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB;	
		and (elevator tong spider)) and ((flap plate yoke) near4 concave)	EPO, JPO,	
			DERWENT:	
			IBM TDB	
-	52	(((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT;	2002/01/15 09:36
		or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")) CCLS.)	US-PGPUB;	
		and (elevator tong spider)) and cap	EPO; JPO;	
			DERWENT;	
			IBM TDB	2002/01/15 09:37
-	18	((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT;	2002/01/13 09.37
		or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	EPO; JPO;	
		and (elevator tong spider)) and cap) not (((((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or	DERWENT;	
			IBM TDB	1
		("175/52,85") or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.) and	IBM TDB	
	†	(elevator tong spider)) and (flap plate)) and cap)		
	9	(((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT;	2002/01/15 09:45
-		or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB;	
		and (elevator tong spider)) and skirt	ЕРО; ЈРО;	
		and (cievator tong spider)) and same	DERWENT,	
			IBM TDB	
_	2314	((("166/378,379,380,381,383,77.1,77.4,77.51,77.52") or ("175/52,85")	USPAT;	2002/01/15 09:47
	2317	or ("294/86.1,86.26,86.3,86.31,88,90,91,102.1,102.2,103.1")).CCLS.)	US-PGPUB;	
		and (@PY<=1971)	ЕРО, ЛРО,	
			DERWENT,	
			IBM TDB	
_	0	3588162.URPN.	USPAT;	2002/01/15 09:55
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	1	I and the second	IBM TDB	1

-	0	3495864.URPN.	USPAT;	2002/01/15 09:56
			US-PGPUB;	
Ī			ЕРО; ЛРО;	!
			DERWENT;	
			IBM TDB	!
<u>-</u>	4	"3149391".PN.	USPAT;	2002/01/15 09:56
!			US-PGPUB:	
			FPO: JPO:	1
			DERWENT;	
			IBM TDB	
 -	7	3149391.URPN.	USPAT;	2002/01/15 09:57
			US-PGPUB;	
			ЕРО; ЛРО;	
			DERWENT;	
			IBM TDB	
-	1	4550942.URPN.	USPAT;	2002/01/15 09:57
			US-PGPUB;	
			ЕРО; ЛРО;	
			DERWENT;	
			IBM TDB	
<u>-</u>	9	("1356458" "1847087" "2545627" "2564119").PN.	USPAT;	2002/01/15 09:58
			US-PGPUB;	
			ЕРО; ЛРО;	1
	1		DERWENT;	į
			IBM TDB	
-	3	4361940.URPN.	USPAT;	2002/01/15 09:59
			US-PGPUB;	
			ЕРО; ЛРО;	
			DERWENT;	! !
	1		IBM TDB	
_	26	("2351887" "3071396" "3080181" "3571865" "4275487"	USPAT;	2002/01/15 09:59
		"4297771" "4354706" "4381584" "4715456").PN.	US-PGPUB;	
			ЕРО; ЛРО;	1
			DERWENT;	
			IBM TDB	
_	4	5042601.URPN.	USPAT;	2002/01/15 10:00
			US-PGPUB;	
			ЕРО; ЛРО;	
			DERWENT;	1
			IBM TDB	